

REMARKS-General

1. The newly drafted independent claim 27 incorporates all structural limitations of the original claim 1 and includes further limitations previously brought forth in the disclosure. No new matter has been included. All new claims 27-33 are submitted to be of sufficient clarity and detail to enable a person of average skill in the art to make and use the instant invention, so as to be pursuant to 35 USC 112.

Regarding to Rejection of Claims 20-26 under 35USC102

2. The Examiner rejects claims 20-26 as being anticipated by Hermann et al (US 5,703,764) and Isono (US 6,297,976). Pursuant to 35 U.S.C. 102, "a person shall be entitled to a patent unless:

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of the application for patent in the United States.

3. In view of 35 U.S.C. 102(b), it is apparent that a person shall not be entitled to a patent when his or her invention was patent in this country more than one year prior to the date of the application for patent in the United States.

4. However, the Hermann or Isono patent and the instant invention are not the same invention according to the fact that the independent claim 27 of the instant invention does not read upon the Hermann or Isono patent.

5. Accordingly, Hermann merely teaches a switched-mode power supply having standby operation. However, Hermann's system is a switched-mode **single** power supply. In other words, Hermann's system is a single power supply to control both the standby mode and the operation mode by using one single converter circuit. Therefore, no matter what the Hermann's system is either in the standby mode or in the operation mode, the Hermann's system always has a voltage output. Generally speaking, Hermann's system cannot be incorporated with PC ATX because when the PC ATX is at the standby mode, a set of four outputs, including 12V, 5V, 303V and -12V, should be switched off. In other words, the outputs of 12V, 5V, 303V and -12V are 0V at the standby mode. The instant invention is adapted to incorporate with the PC ATX

because the main switched-mode power supply is subjected to a remote control signal to be on/off.

6. In addition, the instant invention is environment friendly because the output at the standby mode is relatively minimized. Accordingly, when the power output is more than 10V, the system requires two individual power supplies, i.e. the main switched-mode power supply and the standby switched-mode power supply. Therefore, the standby switched-mode power supply can minimize the power output at the standby mode in a control manner.

7. According to the instant invention, the system of the instant invention contains dual individual power supplies, including the main switched-mode power supply and the standby switched-mode power supply, wherein the main switched-mode power supply has zero output at the standby mode. The single power supply of Hermann's system is not equivalent to the dual power supplies of the instant invention.

8. Isono, on the other hand, merely teaches a direct current source circuit in which a load share of each converter is easily set and the construction of the circuit is simplified, wherein the power supply having a plurality of converters coupling in a series connection or parallel connection to enhance the output power for PDP TV. Accordingly, Isono merely teaches the thin, cascade-connected direct current source circuit for the power source of TV is totally different from the system of the instant invention including a standby switched-mode power supply and a main switched-mode power supply subjected to a remote control signal to be on/off, wherein the monolithic green switched-mode power supply IC is activated by the initiating circuit and is power-supplied by the standby switch-mode power supply.

9. It is worth to mention that the standby power supply and the main power supply are used for TV power source and PC ATX, wherein each of the standby power supply and the main power supply incorporates with an individual IC switch or a RCC circuit. The instant invention provides two individual power supplies such that the main power supply is adapted to select the corresponding converter.

10. Regarding to claim 27, the design of the monolithic green switched-mode power supply IC is the major factor for the green switch-mode power supply, wherein the standby switched-mode power supply contains a single ended mode including forward

and flyback converter, wherein the main switched-mode power supply contains a single ended mode or push-pull converter. Therefore, the monolithic IC, having a low voltage manufacturing technology, is adapted to directly activate the power tube of the standby switched-mode power supply and the power tube of the main switched-mode power supply. For example, the manufacturing cost for the monolithic IC is relatively high and the configuration thereof is complicated when the main power supply requires a half bridge or full bridge converter. In other words, the instant invention is adapted to simplify the complicated structure of the TV power source circuit and PC ATX by minimizing the necessary components so as to reduce the manufacturing cost thereof.

11. Furthermore, either Hermann or Isono teaches any dual power supplies. The cited art merely teaches the improvement of the switched-mode single power supply without any mention of any switched-mode dual power supply. In other words, Hermann or Isono fails to anticipate any **remote control signal** being sent to the main control circuit in response to a main error signal for controlling the main switch-mode power supply on/off. Accordingly, when the remote control signal is an "off" signal, the remote control circuit forces the main error signal being less than a predetermined threshold value. When the remote control signal is an "on" signal, the remote control circuit is deactivated, such that the main sampling circuit outputs a voltage signal to the main error amplifier to generate an optically coupled current through the main isolation circuit so as to output a main error signal.

12. Both Hermann and Isono are silent regarding the main error signal is monitored by the main switched-mode power supply prohibitive circuit, when the main error signal is smaller than the threshold value, the remote control signal is assumed to be the "off" signal, such that the switched-mode power supply prohibitive circuit forces the main driven circuit to output a low electric level so as to switch off the main switch-mode power supply, and when the main error signal is not smaller than the threshold value, the remote control signal is assumed to be the "on" signal, that the main pulse adjustable circuit generates a main pulse in responsive to the main error signal, such that the main driven circuit is normally operating to switch on the main switch-mode power supply.

13. Applicant believes that for all of the foregoing reasons, all of the claims are in condition for allowance and such action is respectfully requested.

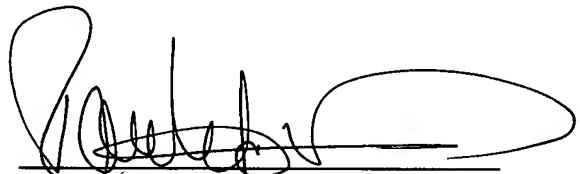
The Cited but Non-Applied References

14. The cited but not relied upon references have been studied and are greatly appreciated, but are deemed to be less relevant than the relied upon references.

15. In view of the above, it is submitted that the claims are in condition for allowance. Reconsideration and withdrawal of the objection are requested. Allowance of claims 27-33 at an early date is solicited.

16. Should the Examiner believe that anything further is needed in order to place the application in condition for allowance, he is requested to contact the undersigned at the telephone number listed below.

Respectfully submitted,



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